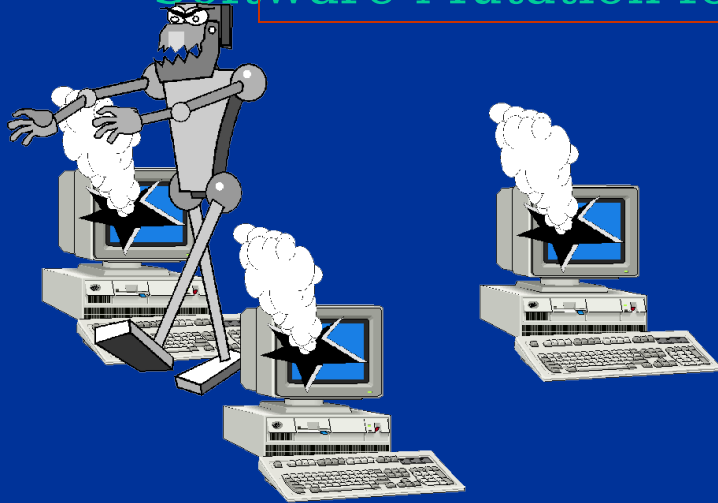


Software Mutation for Information Survivability



A single attack can quickly destroy many information systems

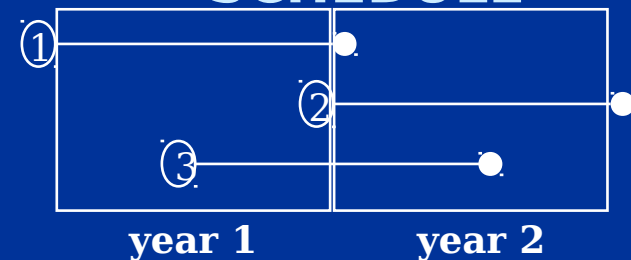
New Ideas

- **Diversity can help prevent a single attack from quickly destroying a large number of information systems**
- **Diversity alone may not be enough; additional technology is needed**
- **A software rewrite system can accomplish automatic diversification, among other things.**

Impact:

- **Diversification can make the country's information infrastructure more robust.**
- **We are learning what it takes to prevent rapid destruction of information systems.**
- **Our software rewrite system may make it easier to fix known security loopholes.**

SCHEDULE



- 1: Analytic Model for Mutation and Survivability
- 2: Experiments with Diversified Software
- 3: Prototype System